SEQUENCE LISTING

<110> Hayden, Michael R.
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<120> METHODS AND REAGENTS FOR MODULATING
   CHOLESTEROL LEVELS

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<141> 2000-03-15

<150> 60/124,702
<151> 1999-03-15

<150> 60/138,048
<151> 1999-06-08

<150> 60/139,600
<151> 1999-06-17

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<151> 1999-09-01

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<170> FastSEQ for Windows Version 4.0

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Tyr Glu Gln His Glu Cys His Phe Pro Asn Lys Ala Met Pro Ser Ala
    50   55   60
Gly Thr Leu Pro Trp Val Gln Gly Ile Ile Cys Asn Ala Asn Asn Pro
65   70   75   80
Cys Phe Arg Tyr Pro Thr Pro Gly Glu Ala Pro Gly Val Val Gly Asn
            85   90   95
Phe Asn Lys Ser Ile Val Ala Arg Leu Phe Ser Asp Ala Arg Arg Leu
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Leu Leu Tyr Ser Gln Lys Asp Thr Ser Met Lys Asp Met Arg Lys Val
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Leu Arg Thr Leu Gln Gln Ile Lys Lys Ser Ser Ser Asn Leu Lys Leu

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Val Ile Leu His Lys Val Phe Leu Gln Gly Tyr Gln Leu His Leu Thr
                    180                  185                  190
Ser Leu Cys Asn Gly Ser Lys Ser Glu Glu Met Ile Gln Leu Gly Asp
                    195                  200                  205
Gln Glu Val Ser Glu Leu Cys Gly Leu Pro Arg Glu Lys Leu Ala Ala
          210                  215                  220
Ala Glu Arg Val Leu Arg Ser Asn Met Asp Ile Leu Lys Pro Ile Leu
225                       230                  235                  240
Arg Thr Leu Asn Ser Thr Ser Pro Phe Pro Ser Lys Glu Leu Ala Glu
                    245                  250                  255
Ala Thr Lys Thr Leu Leu His Ser Leu Gly Thr Leu Ala Gln Glu Leu
                    260                  265                  270
Phe Ser Met Arg Ser Trp Ser Asp Met Arg Gln Glu Val Met Phe Leu
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Thr Asn Val Asn Ser Ser Ser Ser Ser Thr Gln Ile Tyr Gln Ala Val
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Ser Arg Ile Val Cys Gly His Pro Glu Gly Gly Gly Leu Lys Ile Lys
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Ser Leu Asn Trp Tyr Glu Asp Asn Asn Tyr Lys Ala Leu Phe Gly Gly
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Asn Gly Thr Glu Glu Asp Ala Glu Thr Phe Tyr Asp Asn Ser Thr Thr
                    340                  345                  350
Pro Tyr Cys Asn Asp Leu Met Lys Asn Leu Glu Ser Ser Pro Leu Ser
          355                  360                  365
Arg Ile Ile Trp Lys Ala Leu Lys Pro Leu Leu Val Gly Lys Ile Leu
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Tyr Thr Pro Asp Thr Pro Ala Thr Arg Gln Val Met Ala Glu Val Asn
385                       390                  395                  400
Lys Thr Phe Gln Glu Leu Ala Val Phe His Asp Leu Glu Gly Met Trp
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Glu Glu Leu Ser Pro Lys Ile Trp Thr Phe Met Glu Asn Ser Gln Glu
                    420                  425                  430
Met Asp Leu Val Arg Met Leu Leu Asp Ser Arg Asp Asn Asp His Phe
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Trp Glu Gln Gln Leu Asp Gly Leu Asp Trp Thr Ala Gln Asp Ile Val
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Ala Phe Leu Ala Lys His Pro Glu Asp Val Gln Ser Ser Asn Gly Ser
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Val Tyr Thr Trp Arg Glu Ala Phe Asn Glu Thr Asn Gln Ala Ile Arg
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Thr Ile Ser Arg Phe Met Glu Cys Val Asn Leu Asn Lys Leu Glu Pro
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Ile Ala Thr Glu Val Trp Leu Ile Asn Lys Ser Met Glu Leu Leu Asp
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Glu Arg Lys Phe Trp Ala Gly Ile Val Phe Thr Gly Ile Thr Pro Gly
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Ser Ile Glu Leu Pro His His Val Lys Tyr Lys Ile Arg Met Asp Ile
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Thr Gly Thr Glu Lys Lys Thr Gly Val Tyr Met Gln Gln Met Pro Tyr
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Pro Cys Tyr Val Asp Asp Ile Phe Leu Arg Val Met Ser Arg Ser Met
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Pro Leu Phe Met Thr Leu Ala Trp Ile Tyr Ser Val Ala Val Ile Ile
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Lys Gly Ile Val Tyr Glu Lys Glu Ala Arg Leu Lys Glu Thr Met Arg
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Ile Met Gly Leu Asp Asn Ser Ile Leu Trp Phe Ser Trp Phe Ile Ser
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Ser Leu Ile Pro Leu Leu Val Ser Ala Gly Leu Leu Val Val Ile Leu
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Lys Leu Gly Asn Leu Leu Pro Tyr Ser Asp Pro Ser Val Val Phe Val
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Ser Thr Leu Phe Ser Arg Ala Asn Leu Ala Ala Ala Cys Gly Gly Ile
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Ile Tyr Phe Thr Leu Tyr Leu Pro Tyr Val Leu Cys Val Ala Trp Gln
            755                    760                    765
Asp Tyr Val Gly Phe Thr Leu Lys Ile Phe Ala Ser Leu Leu Ser Pro
        770                    775                    780
Val Ala Phe Gly Phe Gly Cys Glu Tyr Phe Ala Leu Phe Glu Glu Gln
785                    790                    795                    800
Gly Ile Gly Val Gln Trp Asp Asn Leu Phe Glu Ser Pro Val Glu Glu
                805                    810                    815
Asp Gly Phe Asn Leu Thr Thr Ser Val Ser Met Met Leu Phe Asp Thr
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Phe Leu Tyr Gly Val Met Thr Trp Tyr Ile Glu Ala Val Phe Pro Gly
            835                    840                    845
Gln Tyr Gly Ile Pro Arg Pro Trp Tyr Phe Pro Cys Thr Lys Ser Tyr
    850                    855                    860
Trp Phe Gly Glu Glu Ser Asp Glu Lys Ser His Pro Gly Ser Asn Gln
865                    870                    875                    880
Lys Arg Ile Ser Glu Ile Cys Met Glu Glu Glu Pro Thr His Leu Lys
                885                    890                    895
Leu Gly Val Ser Ile Gln Asn Leu Val Lys Val Tyr Arg Asp Gly Met
            900                    905                    910
Lys Val Ala Val Asp Gly Leu Ala Leu Asn Phe Tyr Glu Gly Gln Ile
        915                    920                    925
Thr Ser Phe Leu Gly His Asn Gly Ala Gly Lys Thr Thr Thr Met Ser
    930                    935                    940
Ile Leu Thr Gly Leu Phe Pro Pro Thr Ser Gly Thr Ala Tyr Ile Leu
945                    950                    955                    960
Gly Lys Asp Ile Arg Ser Glu Met Ser Thr Ile Arg Gln Asn Leu Gly
                965                    970                    975
Val Cys Pro Gln His Asn Val Leu Phe Asp Met Leu Thr Val Glu Glu
            980                    985                    990
His Ile Trp Phe Tyr Ala Arg Leu Lys Gly Leu Ser Glu Lys His Val
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Lys Leu Lys Ser Lys Thr Ser Gln Leu Ser Gly Gly Met Gln Arg Lys
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Leu Ser Val Ala Leu Ala Phe Val Gly Gly Ser Lys Val Val Ile Leu
                1045                 1050                 1055
Asp Glu Pro Thr Ala Gly Val Asp Pro Tyr Ser Arg Arg Gly Ile Trp
           1060                 1065                 1070
Glu Leu Leu Leu Lys Tyr Arg Gln Gly Arg Thr Ile Ile Leu Ser Thr
           1075                 1080                 1085
His His Met Asp Glu Ala Asp Val Leu Gly Asp Arg Ile Ala Ile Ile
      1090                 1095                 1100
Ser His Gly Lys Leu Cys Cys Val Gly Ser Ser Leu Phe Leu Lys Asn
1105                 1110                 1115                 1120
Gln Leu Gly Thr Gly Tyr Tyr Leu Thr Leu Val Lys Lys Asp Val Glu
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Ser Ser Leu Ser Ser Cys Arg Asn Ser Ser Ser Thr Val Ser Tyr Leu
           1140                 1145                 1150
Lys Lys Glu Asp Ser Val Ser Gln Ser Ser Ser Asp Ala Gly Leu Gly
           1155                 1160                 1165
Ser Asp His Glu Ser Asp Thr Leu Thr Ile Asp Val Ser Ala Ile Ser
      1170                 1175                 1180
Asn Leu Ile Arg Lys His Val Ser Glu Ala Arg Leu Val Glu Asp Ile
1185                 1190                 1195                 1200
Gly His Glu Leu Thr Tyr Val Leu Pro Tyr Glu Ala Ala Lys Glu Gly
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Ala Phe Val Glu Leu Phe His Glu Ile Asp Asp Arg Leu Ser Asp Leu
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Gly Ile Ser Ser Tyr Gly Ile Ser Glu Thr Thr Leu Glu Glu Ile Phe
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Leu Lys Val Ala Glu Glu Ser Gly Val Asp Ala Glu Thr Ser Asp Gly
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Thr Leu Pro Ala Arg Arg Asn Arg Arg Ala Phe Gly Asp Lys Gln Ser
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Cys Leu Arg Pro Phe Thr Glu Asp Asp Ala Ala Asp Pro Asn Asp Ser
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Asp Ile Asp Pro Glu Ser Arg Glu Thr Asp Leu Leu Ser Gly Met Asp
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Gly Lys Gly Ser Tyr Gln Val Lys Gly Trp Lys Leu Thr Gln Gln Gln
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Phe Val Ala Leu Leu Trp Lys Arg Leu Leu Ile Ala Arg Arg Ser Arg
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Lys Gly Phe Phe Ala Gln Ile Val Leu Pro Ala Val Phe Val Cys Ile
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Ala Leu Val Phe Ser Leu Ile Val Pro Pro Phe Gly Lys Tyr Pro Ser
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Leu Glu Leu Gln Pro Trp Met Tyr Asn Glu Gln Tyr Thr Phe Val Ser
           1380                 1385                 1390
Asn Asp Ala Pro Glu Asp Thr Gly Thr Leu Glu Leu Leu Asn Ala Leu
           1395                 1400                 1405
Thr Lys Asp Pro Gly Phe Gly Thr Arg Cys Met Glu Gly Asn Pro Ile
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Pro Asp Thr Pro Cys Gln Ala Gly Glu Glu Glu Trp Thr Thr Ala Pro
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Gln Asn Pro Ser Pro Ala Cys Gln Cys Ser Ser Asp Lys Ile Lys Lys
              1460                     1465                     1470
Met Leu Pro Val Cys Pro Pro Gly Ala Gly Gly Leu Pro Pro Pro Gln
           1475                     1480                     1485
Arg Lys Gln Asn Thr Ala Asp Ile Leu Gln Asp Leu Thr Gly Arg Asn
        1490                     1495                     1500
Ile Ser Asp Tyr Leu Val Lys Thr Tyr Val Gln Ile Ile Ala Lys Ser
     1505                     1510                     1515                1520
Leu Lys Asn Lys Ile Trp Val Asn Glu Phe Arg Tyr Gly Gly Phe Ser
                   1525                     1530                     1535
Leu Gly Val Ser Asn Thr Gln Ala Leu Pro Pro Ser Gln Glu Val Asn
              1540                     1545                     1550
Asp Ala Ile Lys Gln Met Lys Lys His Leu Lys Leu Ala Lys Asp Ser
           1555                     1560                     1565
Ser Ala Asp Arg Phe Leu Asn Ser Leu Gly Arg Phe Met Thr Gly Leu
        1570                     1575                     1580
Asp Thr Arg Asn Asn Val Lys Val Trp Phe Asn Asn Lys Gly Trp His
     1585                     1590                     1595                1600
Ala Ile Ser Ser Phe Leu Asn Val Ile Asn Asn Ala Ile Leu Arg Ala
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Asn Leu Gln Lys Gly Glu Asn Pro Ser His Tyr Gly Ile Thr Ala Phe
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Asn His Pro Leu Asn Leu Thr Lys Gln Gln Leu Ser Glu Val Ala Leu
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Met Thr Thr Ser Val Asp Val Leu Val Ser Ile Cys Val Ile Phe Ala
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Met Ser Phe Val Pro Ala Ser Phe Val Val Phe Leu Ile Gln Glu Arg
     1665                     1670                     1675                1680
Val Ser Lys Ala Lys His Leu Gln Phe Ile Ser Gly Val Lys Pro Val
                   1685                     1690                     1695
Ile Tyr Trp Leu Ser Asn Phe Val Trp Asp Met Cys Asn Tyr Val Val
              1700                     1705                     1710
Pro Ala Thr Leu Val Ile Ile Ile Phe Ile Cys Phe Gln Gln Lys Ser
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Tyr Val Ser Ser Thr Asn Leu Pro Val Leu Ala Leu Leu Leu Leu Leu
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Tyr Gly Trp Ser Ile Thr Pro Leu Met Tyr Pro Ala Ser Phe Val Phe
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Lys Ile Pro Ser Thr Ala Tyr Val Val Leu Thr Ser Val Asn Leu Phe
              1765                     1770                     1775
Ile Gly Ile Asn Gly Ser Val Ala Thr Phe Val Leu Glu Leu Phe Thr
           1780                     1785                     1790
Asp Asn Lys Leu Asn Asn Ile Asn Asp Ile Leu Lys Ser Val Phe Leu
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Ile Phe Pro His Phe Cys Leu Gly Arg Gly Leu Ile Asp Met Val Lys
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Asn Gln Ala Met Ala Asp Ala Leu Glu Arg Phe Gly Glu Asn Arg Phe
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Val Ser Pro Leu Ser Trp Asp Leu Val Gly Arg Asn Leu Phe Ala Met
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Ala Val Glu Gly Val Val Phe Phe Leu Ile Thr Val Leu Ile Gln Tyr
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      1890                1895                 1900
Gly Gly Gly Gln Asn Asp Ile Leu Glu Ile Lys Glu Leu Thr Lys Ile
1905                1910                1915                1920
Tyr Arg Arg Lys Arg Lys Pro Ala Val Asp Arg Ile Cys Val Gly Ile
                  1925                1930                1935
Pro Pro Gly Glu Cys Phe Gly Leu Leu Gly Val Asn Gly Ala Gly Lys
            1940                1945                1950
Ser Ser Thr Phe Lys Met Leu Thr Gly Asp Thr Thr Val Thr Arg Gly
            1955                1960                1965
Asp Ala Phe Leu Asn Lys Asn Ser Ile Leu Ser Asn Ile His Glu Val
      1970                1975                1980
His Gln Asn Met Gly Tyr Cys Pro Gln Phe Asp Ala Ile Thr Glu Leu
1985                1990                1995                2000
Leu Thr Gly Arg Glu His Val Glu Phe Phe Ala Leu Leu Arg Gly Val
                  2005                2010                2015
Pro Glu Lys Glu Val Gly Lys Val Gly Glu Trp Ala Ile Arg Lys Leu
            2020                2025                2030
Gly Leu Val Lys Tyr Gly Glu Lys Tyr Ala Gly Asn Tyr Ser Gly Gly
                  2035                2040                2045
Asn Lys Arg Lys Leu Ser Thr Ala Met Ala Leu Ile Gly Gly Pro Pro
      2050                2055                2060
Val Val Phe Leu Asp Glu Pro Thr Thr Gly Met Asp Pro Lys Ala Arg
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Arg Phe Leu Trp Asn Cys Ala Leu Ser Val Val Lys Glu Gly Arg Ser
                  2085                2090                2095
Val Val Leu Thr Ser His Ser Met Glu Glu Cys Glu Ala Leu Cys Thr
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Arg Met Ala Ile Met Val Asn Gly Arg Phe Arg Cys Leu Gly Ser Val
            2115                2120                2125
Gln His Leu Lys Asn Arg Phe Gly Asp Gly Tyr Thr Ile Val Val Arg
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Ile Ala Gly Ser Asn Pro Asp Leu Lys Pro Val Gln Asp Phe Phe Gly
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Leu Ala Phe Pro Gly Ser Val Leu Lys Glu Lys His Arg Asn Met Leu
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Gln Tyr Gln Leu Pro Ser Ser Leu Ser Ser Leu Ala Arg Ile Phe Ser
            2180                2185                2190
Ile Leu Ser Gln Ser Lys Lys Arg Leu His Ile Glu Asp Tyr Ser Val
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Ser Gln Thr Thr Leu Asp Gln Val Phe Val Asn Phe Ala Lys Asp Gln
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Ser Asp Asp Asp His Leu Lys Asp Leu Ser Leu His Lys Asn Gln Thr
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-16-
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-20-

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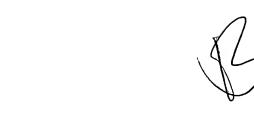```

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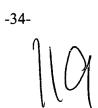```

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121
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<213> Homo sapiens

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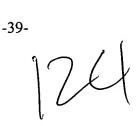gtgatccatt tgggatggtg atgacattca aatagttttt taaaaataga ttttctcctt       960
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<213> Homo sapiens

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-39-
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agaatttgaa tattaacgct aaaggtgtaa gacttcagat ttcaaattaa tctttctata    5040
ttttttaaat ttacagaata ttatataacc cactgctgaa aaagaaacaa atgattgttt    5100
tagaagttaa aggtcaatat tgattttaaa atattaag                            5138
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<400> 31
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cacttccagt aacagctgac                                                   20
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ctttgcgcat gtccttcatg c                                                 21
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gacatcagcc ctcagcatct t                                                 21
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<400> 34
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caacaagcca tgttccctc                                                    19
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<400> 35
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<400> 36
cagagctcac agcagggac   19

<210> 37
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<400> 37
Cys Ser Val Arg Leu Ser Tyr Pro Pro Tyr Glu Gln His Glu Cys His
1   5   10   15
Phe Pro Asn Lys Ala
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<210> 38
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<400> 38
gcctgtgtgt cccc   14

<210> 39
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<213> Homo sapiens

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Lys Lys Met Leu Pro Val Cys Pro Pro Gly Ala Gly Gly Leu Pro
1               5                   10                  15


<210> 42
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<400> 42
Lys Lys Met Leu Pro Val Cys Pro Pro Gly Ala Gly Gly Leu Pro
1               5                   10                  15


<210> 43
<211> 15
<212> PRT
<213> Homo sapiens

<400> 43
Lys Lys Met Leu Pro Val Arg Pro Pro Gly Ala Gly Gly Leu Pro
1               5                   10                  15


<210> 44
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<212> PRT
<213> Caenorhabditis elegans

<400> 44
Leu Leu Gly Gly Ser
1               5


<210> 45
<211> 45
<212> DNA
<213> Homo sapiens

<400> 45
aagaagatgc tgcctgtgcg tcccccaggg gcaggggggc tgcct                45


<210> 46
<211> 14
<212> DNA
<213> Homo sapiens

<400> 46
gcctacttgc agga                                                  14
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<210> 47
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<400> 47
gcctacttgc ggga                                                    14

<210> 48
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<400> 48
tgggggggct tcgcctactt gcaggatgtg gtggagcagg caatc                  45

<210> 49
<211> 15
<212> PRT
<213> Homo sapiens

<400> 49
Trp Gly Gly Phe Ala Tyr Leu Gln Asp Val Val Glu Gln Ala Ile
 1               5                  10                  15


<210> 50
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<212> PRT
<213> Mus musculus

<400> 50
Trp Gly Gly Phe Ala Tyr Leu Gln Asp Val Val Glu Gln Ala Ile
 1               5                  10                  15


<210> 51
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<212> PRT
<213> Homo sapiens

<400> 51
Trp Gly Gly Phe Ala Tyr Leu Arg Asp Val Val Glu Gln Ala Ile
 1               5                  10                  15


<210> 52
<211> 12
<212> PRT
<213> Caenorhabditis elegans

<400> 52
Phe Met Thr Val Gln Arg Ala Val Asp Val Ala Ile
 1               5                  10
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<400> 53
tgggggggct tcgcctactt gcgggatgtg gtggagcagg caatc                    45

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<400> 55
agtagcctca ttcctcttct tgtgagcgct ggcctgctag tggtc                    45

<210> 56
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<212> PRT
<213> Homo sapiens

<400> 56
Ser Ser Leu Ile Pro Leu Leu Val Ser Ala Gly Leu Leu Val Val
1               5                   10                  15


<210> 57
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<213> Mus musculus

<400> 57
Ser Ser Leu Ile Pro Leu Leu Val Ser Ala Gly Leu Leu Val Val
1               5                   10                  15


<210> 58
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<212> PRT
<213> Homo sapiens
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<400> 58
Ser Ser Leu Ile Pro Leu Val Ser Ala Gly Leu Leu Val Val
1               5                   10


<210> 59
<211> 15
<212> PRT
<213> Caenorhabditis elegans

<400> 59
Ile Asn Tyr Ala Lys Leu Thr Phe Ala Val Ile Val Leu Thr Ile
1               5                   10                  15


<210> 60
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<212> DNA
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<400> 60
agtagcctca ttcctcttgt gagcgctggc ctgctagtgg tc                    42


<210> 61
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<220>           .
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<223> n is a, t, c, or g.

<400> 61
tgatgaagat gananncngn ngcga                                       25


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<212> DNA
<213> Homo sapiens

<400> 62
aatgatgaag atgaagatgt gaggcgggaa agacag                           36


<210> 63
<211> 12
<212> PRT
<213> Homo sapiens

<400> 63
Asn Asp Glu Asp Glu Asp Val Arg Arg Glu Arg Gln
1               5                   10
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<210> 64
<211> 12
<212> PRT
<213> Mus musculus

<400> 64
Asn Asp Glu Asp Glu Asp Val Arg Arg Glu Arg Gln
 1               5                  10


<210> 65
<211> 10
<212> PRT
<213> Homo sapiens

<400> 65
Asn Asp Glu Asp Val Arg Arg Glu Arg Gln
 1               5                  10


<210> 66
<211> 15
<212> PRT
<213> Caenorhabditis elegans

<400> 66
Asp Glu Arg Asp Val Glu Asp Ser Asp Val Ile Ala Glu Lys Ser
 1               5                  10                  15


<210> 67
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<400> 67
aatgatgaag atgtgaggcg ggaaagacag                              30

<210> 68
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<212> DNA
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<400> 68
agttgtacga atag                                              14

<210> 69
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<223> n is t or c.

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<400> 71
ggatttccca gatcccagtg   20

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gacagacttg gcatgaagca   20

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<400> 73
gcacttggca gtcacttctg   20

<210> 74
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<400> 74
cgtttctcca ctgtcccatt   20

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acttcaagga cccagcttcc   20

<210> 76

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<400> 76
tcggtttctt gtttgttaaa ctca                                    24

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<400> 77
tcccaaggct ttgagatgac                                         20

<210> 78
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<400> 78
ggctccaaag cccttgtaa                                          19

<210> 79
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gctgctgtga tggggtatct                                         20

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<400> 80
tttgtaaatt ttgtagtgct cctca                                   25

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<400> 81
tagtcagccc ttgcctccta                                         20

<210> 82
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<400> 82
aaaggggctt ggtaagggta                                         20
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gatgtggtgc tccctctagc                                              20

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<400> 84
caagtgagtg cttgggattg                                              20

<210> 85
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<400> 85
gcaaattcaa atttctccag g                                            21

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tcaaggagga aatggacctg                                              20

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ctgaaagttc aagcgcagtg                                              20

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<400> 88
tgcagactga atggagcatc                                              20

<210> 89
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<400> 89
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aggtcctctg ccttcactca                                              20

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<400> 91
ccagtgctta cccctgctaa                                              20

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cacacaacag agcttcttgg a                                            21

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<400> 93
acctggaaca ggtgtggtgt                                              20

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gggctaacat gccactcagt a                                            21

<210> 95
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<400> 95
gtttgttgca gatggggaag                                              20

<210> 96
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ctggactcgt agggatttgc                                          20


<210> 98
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<400> 98
gcctgtcaca gagaaatgct t                                        21


<210> 99
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ttacggaatg atcctgtgct c                                        21


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agtcaggttt ccggtcacac                                          20


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<400> 101
ccgttcctta tatcctcagg tg                                       22


<210> 102
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<400> 102
ccttgtacac actcgcactg a                                        21


<210> 103
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<213> Homo sapiens

<400> 103
tgttgtccac aggttccaga   20

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tgaggtttat gggcatggtt   20

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atctgccctt tcttgtctga   20

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agggagctgc acagtggata   20

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tcactcccat atttcagaac ttga   24

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tgtttattgg aagatcggtg aa   22

<210> 110

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cgttagagac tgaatctttg tcctg   25

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agtcctgcct tccacagttg   20

<210> 112
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ggtagttacg tgttaggggc a   21

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caggaacatt aggccagatt g   21

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catgtatgtg taggacagca tga   23

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ctgtttcaaa gatgcttctg c   21

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cctaggaagc tggaatgctg   20

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gggttcccag ggttcagtat                                          20

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cttgacctaa tttcaacatc tgg                                      23

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atccccaact caaaaccaca                                          20

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aagtccaatt tagcccacgt t                                        21

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ccagccattc aaaattctcc                                          20

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ggtgcaggtc aatttccaat                                          20

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<400> 123
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ccccttcacc accattacaa                                                    20


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tgtccaagga aaagcctcac                                                    20


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cgcacacctc tgaagctacc                                                    20


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acctcactca cacctgggaa                                                    20


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gcctcctgcc tgaaccttat                                                    20


<210> 130
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caaaatcatg acaccaagtt gag                                        23


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catgcacatg cacacacata                                            20


<210> 132
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ccttagcccg tgttgagcta                                            20


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tgcttttatt cagggactcc a                                          21


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cccatgcact gcagagattc                                            20


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ggggaacatc ctgtgcttag   20

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tgatcgcata ttctacttgg aaa                                              23


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tccctttatt ttagaggcac ca                                               22


<210> 166
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<400> 166
gatcaggaat tcaagcacca a                                                21


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tgggttccat aatagagttt caca                                             24


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tgtcagctgt tactggaagt gg                                               22


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tgtcagctgc tgctggaagt gg                                               22


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<213> Homo sapiens

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<210> 173
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aatgatgcca tcaaacaaat g   21

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gaggtggctc tgatgaccac a   21

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ttccttaaca gaaatagtat c   21

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<400> 177
ttccttaaca aaaatagtat c   21

<210> 178

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